

**PROVADO VINE WEEVIL KILLER 2**Version 1 / GB  
1020000090191/6  
Revision Date: 06.07.2006  
Print Date: 17.11.2006**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name PROVADO VINE WEEVIL KILLER 2  
Product code (UVP) 06089860  
Usage insecticide  
Company Bayer CropScience Limited  
230 Cambridge Science Park  
Milton Road  
Cambridge  
Cambridgeshire CB4 0WB  
Great Britain

Telephone +44(0)1223 226500  
Telefax +44(0)1223 426240  
Emergency telephone number 0800-220876 (UK 24 hr)  
+44(0)1603-242424 (Overseas 24 hr)

**2. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical nature**Suspo-emulsion (SE)  
Thiacloprid 9 g/l**Hazardous components**

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases(s)	Concentration [%]
Thiaclopride	111988-49-9	Xn	R20/22, R40, R52/53	0.92
1,2-Propanediol	57-55-6 200-338-0			> 5.00 - < 25.00

**3. HAZARDS IDENTIFICATION****Risk advice to man and the environment**

No particular hazards known.

**4. FIRST AID MEASURES****Inhalation**

Move the patient to fresh air and keep at rest.

**Skin contact**

Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.

**Eye contact**

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.



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### Ingestion

DO NOT induce vomiting unless directed to do so by a physician or poison control center. Rinse out mouth and give water in small sips to drink. Keep patient warm and at rest.

### Notes to Physician

#### Treatment

Elementary aid, decontamination and symptomatic treatment.

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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Extinguishing media which must not be used for safety reasons

high volume water jet

### Specific hazards during fire fighting

In case of fire the evolution of dangerous gases is possible.

### Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes.  
Wear self contained breathing apparatus for fire fighting if necessary.

### Further information

Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.  
Whenever possible, contain fire-fighting water by diking area with sand or earth.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions

Avoid contact with spilled product or contaminated surfaces.  
When dealing with a spillage do not eat, drink or smoke.

### Environmental Precautions

Do not discharge into the drains/surface water/groundwater.  
If spillage enters drains leading to sewage works inform local water company immediately.  
If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

### Methods for Cleaning Up

Take up with absorbent material (e.g. sand, diatomaceous earth or a proprietary absorbent material).  
Keep in suitable, closed containers for disposal.  
Clean floors and contaminated objects with plenty of water.

### Additional Advice

Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.  
Check also for any local site procedures.

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## 7. HANDLING AND STORAGE

### Handling

Advice on safe handling



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No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.  
Ensure adequate ventilation.

Advice on protection against fire and explosion  
No special precautions required.

**Storage**

Requirements for storage areas and containers  
Keep containers tightly closed in a cool, well-ventilated place.  
Store in original container and out of the reach of children, preferably in a locked storage area.  
Keep away from direct sunlight.  
Protect against frost.  
Keep away from heat.

Advice on common storage  
Keep away from food, drink and animal feedingstuffs.

Storage stability  
Other data  
Storage temperature should ideally lie between 0 and 30 °C, however, storage for two weeks at 54 °C has shown no adverse effects regarding product safety or stability.

Suitable materials  
Only use containers that are approved specifically for the product.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.

**Components with workplace control parameters**

Components	CAS-No.	Control parameters	Update	Basis
1,2-Propanediol (Particulate.)	57-55-6	10 mg/m3 (TWA)	2005	EH40 WEL
1,2-Propanediol (Vapor and particulates.)	57-55-6	474 mg/m3 / 150 ppm (TWA)	2005	EH40 WEL

**Personal protective equipment**

In normal use conditions personal protective equipment is not deemed to be necessary. If there is a potential for excessive exposure the following applies.

Respiratory Protection  
No personal respiratory protective equipment normally required. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand Protection  
Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.

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Eye protection	Wear goggles conforming to EN166 (Field of Use 5 or equivalent).
Skin and body protection	Wear standard coverall and type 6 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.
Hygiene measures	When using, do not eat, drink or smoke. Clean hands and face at work intervals and after work.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form	emulsion
Colour	white
Odour	slight, specific odour

**Safety data**

pH	5.5 - 7.0
Flash Point	> 100 °C No flash point - Determination conducted up to the boiling point.
Density	ca. 0.98 g/cm <sup>3</sup> at 20 °C
Water Solubility	miscible

**10. STABILITY AND REACTIVITY**

Conditions to Avoid	Extremes of temperature and direct sunlight.
Materials to avoid	None.
Hazardous Reactions	No hazardous reactions when stored and handled according to prescribed instructions. Stable under recommended storage conditions.

**11. TOXICOLOGICAL INFORMATION**

Acute Oral Toxicity	LD50 (rat) > 2,500 mg/kg
Acute Inhalation Toxicity	LC50 (rat) > 2.357 mg/l Exposure time: 4 h (as aerosol) Highest attainable concentration.
Acute Dermal Toxicity	LD50 (rat) > 4,000 mg/kg

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Skin Irritation	Non-irritant. (rabbit)
Eye Irritation	Non-irritant. (rabbit)
Sensitization	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Buehler test

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**12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

Toxicity to Fish	LC50 (Lepomis macrochirus (Bluegill sunfish)) 25.2 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient.
Toxicity to daphnia	EC50 (Water flea (Daphnia magna)) >= 85.1 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient.
Toxicity to algae	IC50 (Desmodesmus subspicatus) 96.7 mg/l Growth rate Exposure time: 72 h The value mentioned relates to the active ingredient.

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**13. DISPOSAL CONSIDERATIONS****Product**

Do not empty into drains.  
Dispose of unused product in its container at a household waste site (civic amenity site).  
Contact your local council (local authority) for details.

**Contaminated packaging**

Dispose of empty container in the dustbin.  
Follow advice on product label and/or leaflet.

**Waste key for the unused product**

020108 agrochemical waste containing dangerous substances

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**14. TRANSPORT INFORMATION**

ADNR	Not dangerous goods
ADR	Not dangerous goods
GGVE	Not dangerous goods
GGVS	Not dangerous goods
IATA_C	Not dangerous goods
IATA_P	Not dangerous goods
IMDG	Not dangerous goods
RID	Not dangerous goods
UK 'Carriage' Regulations	Not dangerous goods

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**15. REGULATORY INFORMATION**

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**This product has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3 and any subsequent amendments.**

## Classification:

Hazard warning labelling not compulsory

## Hazardous components which must be listed on the label:

- Thiaclopride

## Exceptional labelling

To avoid risks to man and the environment, comply with the instructions for use.

## Further information

WHO-classification: III (Slightly hazardous)

**16. OTHER INFORMATION****Further information**

## Text of R phrases mentioned in Section 2:

R20/22	Harmful by inhalation and if swallowed.
R40	Limited evidence of a carcinogenic effect.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.